

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
6 May 2005 (06.05.2005)

PCT

(10) International Publication Number
WO 2005/039886 A1

(51) International Patent Classification⁷: B41M 5/26, 5/025, 3/14, B44B 5/00, B42D 15/00

(21) International Application Number:
PCT/EP2003/011153

(22) International Filing Date: 9 October 2003 (09.10.2003)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicants (for all designated States except US): SAUER-ESSIG GMBH & CO. [DE/DE]; Gutenbergstrasse 1-3, 48691 Vreden (DE). STARBOARD TECHNOLOGIES LTD. [IL/IL]; 17 Topaz St. Cluster 11, Cesarea 38900 (IL).

(72) Inventor; and

(75) Inventor/Applicant (for US only): BRÜCKERHOFF, Klemens [DE/DE]; An't Lindeken 2, 48691 Vreden (DE).

(74) Agents: TÖNHARDT, Marion et al.; Boehmert & Boehmert, Hollerallee 32, 28209 Bremen (DE).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/039886 A1

(54) Title: METHOD FOR THE PRODUCTION OF A STAMPING TOOL TO STAMP SAFETY ELEMENTS IN SURFACES OF CARRIER MATERIALS, AS WELL AS CARRIER MATERIAL WITH AT LEAST ONE SAFETY ELEMENT

(57) Abstract: The invention describes a method for producing a stamping tool for the stamping of safety elements in surfaces of carrier materials via the following steps: a) Creating a three-dimensional digitized template for the safety element, and b) transferring the digital data onto the stamping tool.